

Application No. 09/742,720
Response to Final Rejection dated November 18, 2005
Reply to Final Office Action dated September 19, 2005
Express Mail EV723448241US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of interprocess communications between a client and a server, each client and server having one or more Interprocess Communications Facilities which are sockets, and wherein each Interprocess Communications Facility has connection oriented protocol (COP) associated therewith, comprising:

initiating a query by the server to determine if said client is on the same system as said server;

if said query indicates the client is on the same system as the server as a local client, setting pointers to establish an Interprocess Communications Facility connection between said server and said client, with said Interprocess Communication Facility being a Transport Layer Interface (TLI), to bypass said connection oriented protocol; and

transferring data directly between said client and said server within the same connection as the connection-oriented protocol in a manner bypassing said connection oriented protocol, and said transferring of data further comprising detecting any errors in said data transferring step, and if errors are detected, setting pointers to null, and transferring the data through the connection oriented protocol.

2. (Previously Presented) The method of claim 1, further comprising the step of disconnecting said Interprocess Communications Facility connection between said client socket and server socket by setting pointers to null.

3. (Canceled)

4. (Original) The method of claim 1, wherein said connection oriented protocol is Transmission Control Protocol/Internet Protocol (TCP/IP).

5. (Canceled)

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6. (Canceled)

7. (Previously Presented) The method of claim 1, further comprising:

determining if said server Interprocess Communications Facility and said client Interprocess Communications Facility within the same system are compatible; and

if said server Interprocess Communications Facility and said client Interprocess Communications Facility within the same facility are not compatible, transferring data between said client and said server via a conventional connection oriented protocol connection.

8. (Original) The method of claim 1, further comprising:

verifying that said client and said server are prepared to set said pointers directly between said client and said server Interprocess Communications Facilities prior to setting said pointers; and

when either said client or said server are not prepared to set said pointers directly between said client and said server Interprocess Communications Facilities, setting said pointers to null;

transferring data between said client and said server via a conventional connection oriented protocol connection.

9. (Previously Presented) A system of interprocess communications between a client and a server, comprising:

a server having server data and a server Interprocess Communications Facility which is a socket, associated therewith, said server being configured for communicating with one or more clients having client data and a client Interprocess Communications Facility which is a socket, associated therewith;

said server Interprocess Communications Facility and said client Interprocess Communications Facility being configured for forming a connection between said server

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Interprocess Communications Facility and said client Interprocess Communications Facility for delivering said server data and receiving said client data, and wherein said Interprocess Communications Facility is a Transport Layer Interface (TLI);

said connection having connection oriented protocol operatively associated therewith;

said server being programmed for initiating a query to detect if said client is on the same system as the server as a local client or on a system which is different on which it is remote;

said client being configured for detecting if said server is on the same system as the client which is local or on a system which is different in which the server is remote;

said server being further configured to setting pointers to said client Interprocess Communications Facility if said client is local;

said pointers being configured to form a direct connection between said server Interprocess Communications Facility and said client Interprocess Communications Facility for data exchange between said client and said server within the same connection as the connection oriented protocol in a manner for bypassing said connection oriented protocol;

said server is further configured for detecting errors in data transfer, setting said pointers to null if errors are detected, and setting a conventional Interprocess Communications Facility connection using the connection oriented protocol; and

said server is further configured to determine if said server and said client Interprocess Communications Facilities within the same system are compatible, and if said server and said client Interprocess Communications Facilities are not compatible, transferring data between said client and said server through the conventional connection oriented protocol connection.

10. (Original) The system of claim 9, said server and said client being further configured for setting said pointers to null.

11. (Canceled)

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12. (Canceled)

13. (Previously Presented) The system of claim 9, wherein said server is further configured for detecting errors in connection; setting pointers to null if error are detected; and transferring data between said client and said server through the conventional connection oriented protocol connection.

14. (Canceled)

15. (Original) The system of claim 9, wherein said server is further configured to verify that said client is prepared to transmit data via said pointers set directly between said client and said server Interprocess Communications Facilities.

16. (Original) The system of claim 15, wherein said client is further configured to verify that said server is prepared to transmit data via said pointers set directly between said client and said Interprocess Communications Facilities.